DERWENT-ACC-NO: 1993-373633

DERWENT-WEEK: 200132

TITLE: Biomedical implant material with appropriate viscosity and supported firmly within bone defect - comprises crosslinked gelatin supporting particles of calcium phosphate type cpds., covered with film of non-crosslinked gelatin

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 05277174 A	October 26, 1993	N/A	008	A61L 027/00
JP 3170339 B2	May 28, 2001	N/A	008	A61L 027/00

APPLICATION-DATA:

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ABSTRACTED-PUB-NO: JP 05277174A

BASIC-ABSTRACT:

A new biomedical implanting material consists of a composite body consisting of crosslinked gelatin supporting particles of a calcium phosphate type cpd(s). and a film of uncrosslinked gelatin formed on the surface of the composite body.

The material pref. has an average grain size of 200-1,000 microns to facilitate filling. The supported particles pref. have an average grain size of up to 100

microns. The film is pref. 5-20 microns, on average. The gelatin is typically obtd. by heat-treating commercial gelatin or collagen at a temp. of up to 80 deg.C for several hr. The phosphate is e.g. hydroxyapatite or tricalcium phosphate.

USE/ADVANTAGE - The film is water-soluble and produces appropriate viscosity when kneaded with a liq., such as a physiological salt soln. Being insoluble in water, the body is held firmly within a bone defect. It promotes smooth regeneration and growth of fresh bones. The material is useful as a bone filler in buccal and orthopaedic surgery.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS: BIOMEDICAL IMPLANT MATERIAL APPROPRIATE VISCOSITY SUPPORT FIRM
BONE DEFECT COMPRISE CROSSLINK GELATIN SUPPORT PARTICLE CALCIUM
PHOSPHATE TYPE COMPOUND COVER FILM NON CROSSLINK GELATIN

DERWENT-CLASS: A96 D22 P34

CPI-CODES: A03-C01; A12-V02; D09-C01D;

ENHANCED-POLYMER-INDEXING:
Polymer Index [1.1]
017 ; R24033 G3714 P0599 D01 F70 ; M9999 M2073
Polymer Index [1.2]
017 ; ND01 ; K9574 K9483 ; K9687 K9676 ; Q9999 Q7987*R ; Q9999 Q8048 Q7987 ; B9999 B4488 B4466 ; Q9999 Q7523 ; B9999 B5209 B5185 B4740
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017 ; B9999 B5447 B5414 B5403 B5276 ; B9999 B3463 B3452 B3372 ; Q9999 Q6791
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017 ; R24033 G3714 P0599 D01 F70
Polymer Index [2.2]
017 ; ND01 ; K9574 K9483 ; K9687 K9676 ; Q9999 Q7987*R ; Q9999 Q8048 Q7987 ; B9999 B4488 B4466 ; Q9999 Q7523 ; B9999 B5209 B5185 B4740
Polymer Index [2.3]
017 ; K9712 K9676 ; B9999 B3521 B3510 B3372 ; B9999 B3587 B3554 ; B9999 B5027 B5016 B4977 B4740 ; Q9999 Q7114*R ; B9999 B5243*R B4740